

DESIGN REVIEW ELEMENTS

1. Were the inputs correctly selected and incorporated into design?
2. Are assumptions necessary to perform the design activity adequately described and reasonable? Where necessary, are assumptions identified for subsequent re-verifications when the design activities are completed?
3. Are the appropriate quality and quality assurance requirements specified?
4. Are the applicable codes, standards and regulatory requirements including issue and addenda properly identified, and their requirements for design met?
5. Have applicable construction and operating experience been considered?
6. Have the design interface requirements been satisfied?
7. Was an appropriate design method used?
8. Is the output reasonable compared to inputs?
9. Are the specified parts, equipment, and processes suitable for the required application?
10. Are the specified materials compatible with each other and the design environmental conditions to which the material will be exposed?
11. Have adequate maintenance features and requirements been specified?
12. Are accessibility and other design provisions adequate for performance of needed maintenance and repair?
13. Has adequate accessibility been provided to perform the in-service inspection expected to be required?
14. Are the acceptance criteria incorporated in the design documents sufficient to indicate that the design requirements have been satisfactorily accomplished?
15. Have adequate pre-operational and subsequent periodic test requirements been appropriately specified?
16. Are adequate handling, storage, cleaning, and shipping requirements specified?
17. Are adequate identification requirements specified?
18. Are requirements for record preparation review, acceptance, retention, etc adequately specified?